

10-27-06

Docket No.: 03818/0204416-US0

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Mladen Mercep et al.

Application No.: 10/595,939

0/595,939 Confirmation No.: 9274

Filed: May 19, 2006

Art Unit: N/A

For: 1-AZA-2-OXA-DIBENZO[E,H]AZULENES

AND THEIR USE FOR THE TREATMENT

OF CENTRAL NERVOUS SYSTEM

DISEASES AND DISORDERS

Examiner: Not Yet Assigned

## **INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed: (Check one of the boxes A-D)

2

Docket No.: 03818/0204416-US0

(check one of the boxes "a" and "b" below:)

Application No.: 10/595,939

3

Docket No.: 03818/0204416-US0

Application No.: 10/595,939

portic langu	English translation of each document (or of the pertinent ons thereof), or a copy of each corresponding English-lage patent or application, or English-language abstract (or a) is enclosed.
foreign foreig	requirement for a concise explanation of the relevance of any gn language document is satisfied by the attached search t; citation of the documents cited in the search report shall not onstrued as an admission that they are or are considered to be, rial to patentability of the subject matter claimed herein (See P §609).
	concise explanation of the relevance of document(s) is set forth as follows: [Insert concise explanation of ance]
	ncise explanation of the relevance of document(s) can und on page(s) of the specification.
	ncise explanation of document(s) can be found on the hed sheet.
English l	anation of relevance is necessary for documents in the anguage (see reply to Comments 67 in the preamble to rules; 1135 OG 13 at 20).
	nformation being provided for the examiner's ation follows:

[A/An International Search Report, dated <u>April 11, 2005</u>, which issued during the prosecution of International Application No.PCT/HR2004/000050 which corresponds to the present application.]

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Early and favorable consideration is earnestly solicited.

The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: October 19, 2006

Respectfully submitted,

Flynn Barrison

Registration No.: 53,970 DARBY & DARBY P.C.

P.O. Box 5257

New York, New York 10150-5257

(212) 527-7700

(212) 527-7701 (Fax)

Attorneys/Agents For Applicant



Application No. (if known): 10/595,939

Attorney Docket No.: 03818/0204416-US0

## **Certificate of Express Mailing Under 37 CFR 1.10**

I hereb Expres	by certify that this correspondence is being deposited with the United States Postal Service as Mail, Airbill No. in an envelope addressed to:  47 834731712-4
	Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
on	October 19, 2006  Date
	Rellian Garen
	Lillan Garcia
	Typed or printed name of person signing Certificate
Regi	stration Number, if applicable Telephone Number
Note:	Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.
	Information Disclosure Statement (IDS) (5 pp.) Information Disclosure Statement (SB/08) (3 pp.) Postcard  32 Refs enclosed
	OR TES ENCIONES



PTO/SB/08A/B (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Peperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known		
				Application Number	10/595,939-Conf. #9274	
16	IFORMATIC	DN DIS	SCLOSURE	Filing Date	May 19, 2006	
STATEMENT BY APPLICANT				First Named Inventor	Mladen Mercep	
				Art Unit	N/A	
	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	. 1	of	2	Attorney Docket Number	03818/0204416-US0	

			U.S. PA	TENT DOCUMENTS		
Examiner Indials*	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	
		Number-Kind Code <sup>2</sup> (#known)			Relevant Passages or Relevant Figures Appear	
	AA°	US-6,511,976	01-28-2003	Andres-Gil et al.		
	AB*	US-4,145,434	03-20-1979	VAN DER Burg et al.		
	AC*	US-3,711,489	D1-16-1973	Lombardino		
	AD*	US-4,198,421	04-15-1980	Cherkofsky et al.		

		FORE	GN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Indials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document		۳
	ВА	WO-99/19317	04-22-1999	Janssen Pharmaceutica N.V.		
	BB	WO-97/38991	10-23-1997	Janssen Pharmaceutica N.V.		$\Gamma$
	ВС	EP-0063525	10-27-1982	Centre National de la Recherche Scientifique		
	BD	WO-96/14320	05-17-1996	Janssen Pharmaceutica N.V.		
	BE	WO-96/14321	05-17-1996	Janssen Pharmaceutica Nv et al.		
	BF	CA-967,573	05-13-1975	Pfizer Inc.		
	BG	FR-2,504,140	10-22-1982	Centre Nat Rech Scient		
	ВН	WO-01/87890	11-22-2001	Pliva Farmaceutska Ind Dioniko et al.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. 'Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.' Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is altached.

		NON PATENT LITERATURE DOCUM	ENTS					
Examiner Initials	Cite No. 1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (boo magazine, journal, serial, symposium, catelog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	CA	Gansser C. et al., "Determination of the radioprotective ac imipramine" Ann. Pharmaceutiques Françaises, 1983, vol						
	СВ	Olivera R. et al., * Dibenzoxepino [4,5-d]pyrazoles: a facile approach via the Ulimann-ether reaction Tetrahedron Letters, 2000, vol. 41: 4353-4356, 4357-4360						
	CC	Kawashiha K., et al, "Synthesis of Dibenzo [b,f] azepine Derivatives. III. Introduction of a Cyclopropane Ring by Therman Decomposition of a Pyrazoline" TakedaKenkyusho Ho, 1978, vol. 37: pages 6-11.						
	CD	Fichou D. et al., "Regioselectivite De La Cycloaddition Dip vol. 40:, No. 24, pp. 5121-5133	olaire1,3" Tetrahedron, 1984,					
	CE	Menozzi G., et al., "w-Dialkylaminoalkyl Ethers of Phenyl-(5-substitued 1-phenyl-1 <i>H</i> - pyrazol-4-yl)mentanols with Analgesic and Anti-inflammatory Activity" J. Heterocyclic Chem., 1997, Vol.34; Pages:963-968						
	CF	Talley J. J. et al., " 4-[5-Methy1-3-phenylisoxazol-4-yl]-benzenesulfonamide, Valdecoxib: A Potent and Selective Inhibitor of COX-2", <i>Journal of Medicinal Chemistry</i> , , 2000, vol. 43:, No.						
Examine			Date Considered					

Signature

PTO/SB/08A/B (09-08)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no parsons are required to respond to a collection of information unless it contains a valid OMB control number.

Sul	bstitute for form 1449/P	то		Complete If Known		
				Application Number	10/595,939-Conf. #9274	
Information disclosure Statement by applicant				Filing Date	May 19, 2006	
				First Named Inventor	Mladen Mercep	
				Art Unit	N/A	
(Use as many sheets as necessary)			necessary)	Examiner Name	Not Yet Assigned	
Sheet	2	of	2	Attomey Docket Number	03818/0204416-US0	

l	5 pgs. 775-777	
CG	Jilek, J.O. et al., "Neurotrope und psychotrope Substanzen, 5 Mitt." Mh. Chem. vol. 96 (1965) pgs. 182-207	
СН	<ol> <li>Ueda et al. " The Synthesis of 10-(4-Methylpiperazino)Dibenzo[b,f] thiepin and Related Compounds. 1) Neurotropic and Psychotropic Agents", Chem. Pharm. Bull. 23 (10) 2223- 2231 (1975)</li> </ol>	
CI	Saucier, C. et al. "Identification of an Endogenous 5-Hydroxytryptamine 2A Receptor in NIH- 3T3 Cells: Agonist-Induced Down-Regulation Involves Decereases in Receptor RNA and Number" Journal of Neurochemistry, 1997, vol 68:, No. 1, pages 1998 - 2011	
CJ	Wolf., W.A. et al. "The Serotonin 5-HT 2C Receptor Is a Prominent Serotonin Receptor in Basal Ganglia: Evidence from Functional Studies on Serotonin-Mediated Phosphoinositide Hydrolysis" Journal of Neurochemistry, 1997, vol. 69: pgs. 1449	
СК	Thomson W. et al. "Juvenile Idiopathic Arthritis Genetics - What's new? What's next? Arthritis Research, 2002, vol. 4 and 5: pgs 302-306	
CL	Millan, M.J. et al, "S18126 ((2-4-2,3-dihydrobenzo[1,4] dioxin-6-yl)piperazin-1-ylmethyl]), A Potent, Selective and Competitive Antagonist at Dopamine D4 Receptors: An In vitro and In Vitro and In Vivo Comparison with L 745,870 (3-(4[4-chlorophenyl]piperazin-1-yl)methyl-1H-pymolo[2,3b]pyridine} and Raclopride, 1998, Journal of Pharmacology and Experimental Thereapeutics, vol. 287: No. 1 pages 167-186.	
СМ	T.F. Meert, et al. " Psychopharmacology of Ritanserin: Comparison with Chlordiazepoxide", Drug Development Research , 1989, vol. 18, pgs.119-144	
CN	F.Byrnaster, et al , " New Approaches to developing antidepressants by enhancing monoaminergic neurotransmission" Expert Opinion Investig. Drugs 2003, 12, 531-543	
co	U. Spampinato, et al. " Role of Striatal Serotonin 2A and Serotinin 2C Receptor Subtypes in the Control of In Vivo Dopamine Outflow in the Rat Striatum" J. Neurochemistry 2000, vol. 74, pgs. 693-701	
СР	F.P. Monnet, et al . "N-Methyl-D-aspartate-induced neuronal activiation is selectively modulated by σ receptors", European Journal of Pharmacology, 1990, vol. 179,, pgs. 441-445.	
ca	J. Ignacio Andres et al. " R107500.A new 5-HT 2A/2C Antagonist with Potential Anxiolytic Profile" Drugs Fut. 2002, vol. 27, Suppl. A: C41	
CR	Sperling, W. et al " New Tetracyclic Antidepressants" Drugs Today, 1997, vol. 33, No. 2, pgs. 95-102.	
cs	Jose M. Cid, et al., " Synthesis of 2-aminomethyl-3, 3a, 8, 12, "Drugs Fut. 2002, vol 27, Suppl. A: P182	
СТ	PCT International Search Report for International Application No. PCT/HR2004/000050, Dated April 11, 2005.	
CU	Niemegeers, CJ.E., et al, "Interaction of Drugs with Apornorphine, Tryptamine and Norepinephrine. A New 'in vivo" Approach: the ATN-Test in Rats", Arch. Int. Pharmacodyn. Vol. 227, pages 238-253 (1977).	
CV	Berge S. M. et al. "Pharmaceutical Salts," Journal of Pharmaceutical Sciences., 1977; Vol. 66: pages 1-20	
CW	Bonhaus D.W., et al, "The pharmacology and distribution of human 5-hydroxytryptamine2B (5HT2B) receptor gene products: comparison with 5-HT2A and 5HT2c receptors" British Journal of Pharmacology, (1995), Vol. 115: pages 622-628	
cx	Porsolt R.D. et al. "Behavioural Despair in Mice: A Primary Screening Test for Antipressants" Arch. Int. Pharmacodyn. Vol. 229, pages 327-336 (1977)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

Examiner	D-4-	
	Date	1
Signature	Considered	1